ELSEVIER

Physica C 264 (1996) 331–333

PHYSICA C

Author Index to Volume 264

Abbas, F., Two-fluid model for superconductors as a quantum statistics approach, **264**, 137
Agnihotry, S.A., Rashmi, S. Chandra, P.P. Bakare and S.K. Date, Superconductivity in Sb incorporated Bi–Sr–Ca–Cu–O (BSSCCO) system, **264**, 43
Aligia, A.A., see Batista, C.D., **264**, 319
Anzai, H., see Logvenov, G.Yu., **264**, 261
Aomine, T., see Ichikawa, F., **264**, 275
Arai, T., see Ichikawa, F., **264**, 275
Araki, H., see Yoshino, K., **264**, 161

Bakare, P.P., see Agnihotry, S.A., **264**, 43
Bandyopadhyay, B., see Mandal, J.B., **264**, 145
Bandyopadhyay, S.K., see Ghosh, A.K., **264**, 255
Barat, P., see Ghosh, A.K., **264**, 255
Basu, A.N., see Ghosh, A.K., **264**, 255
Batista, C.D. and A.A. Aligia, Indications for RVB superconductivity in a generalized t–J model for the cuprates, **264**, 319
Beille, J., see Noudem, J.G., **264**, 325
Berner, D., see Widder, K., **264**, 11
Bourgault, D., see Noudem, J.G., **264**, 325
Braun, H.F., see Widder, K., **264**, 11
Buchgeister, M. and W. Pitschke, High-temperature X-ray diffraction phase analysis of YNi_2B_2C, **264**, 250

Canfield, P.C., see Oxx, S., **264**, 103
Carlson, K.D., see Kini, A.M., **264**, 81
Chaddah, P., see Pradhan, A.K., **264**, 109
Chakalov, R.A., see Nurgaliev, T., **264**, 195
Chandra, S., see Agnihotry, S.A., **264**, 43
Chateigner, D., see Noudem, J.G., **264**, 325
Chattopadhyay, T., see Mandal, J.B., **264**, 145
Che, G.C., see Zhao, J., **264**, 19
Chen, C., see Pradhan, A.K., **264**, 109
Chen, H., see Zhao, J., **264**, 19
Chen, Y.L., see Sengupta, S., **264**, 34
Cho, B.K., see Oxx, S., **264**, 103
Choudhury, D.P., see Oxx, S., **264**, 103

Daning, S. and L. Zheng-Zhong, The effect of hybridization disorder on the d wave heavy-fermion superconductivity, **264**, 120
Date, S.K., see Agnihotry, S.A., **264**, 43
Dennis, K.W., see Margulies, L., **264**, 133
Donchev, T., see Nurgaliev, T., **264**, 195
Dong, C., see Zhao, J., **264**, 19
Dotsenko, A.V. and O.P. Sushkov, Temperature dependence of the electron chemical potential in $YBa_2Cu_3O_{6+\delta}$, **264**, 179
Dudek, J.D., see Kini, A.M., **264**, 81

Erb, A., see Widder, K., **264**, 11

Falkovsky, L.A. and S. Klama, Fluctuations in coupled electron–phonon system and Raman light scattering, **264**, 1
Fan, Y.X., see Zhao, J., **264**, 19
Fauth, F., see Mandal, J.B., **264**, 145
Fleisher, V.G., R. Laiho, E. Lähderanta, Yu.P. Stepanov and K.B. Traito, Temperature dependence of the magnetic field penetration depth versus oxygen ordering in submicron YBCO particles, **264**, 295
Flükiger, R., see Widder, K., **264**, 11
Fukami, T., see Ichikawa, F., **264**, 275
Fukunaga, O., see Karppinen, M., **264**, 268
Fuse, A., see Mori, T., **264**, 22

Gagnon, R., see Senoussi, S., **264**, 172
Gangopadhyay, A.K. and J.S. Schilling, Change of density of states at Fermi level and superconductivity in $YNi_{2-x}(Co/Cu)_xB_2C$, **264**, 281
Garif'yanov, N.N., see Vavilova, E.L., **264**, 74
Geiser, U., see Kini, A.M., **264**, 81
Geserich, H.P., see Widder, K., **264**, 11
Ghosh, A.K., S.K. Bandyopadhyay, P. Barat, P. Sen and A.N. Basu, Fluctuation-induced conductivity of polycrystalline $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$ superconductors, **264**, 255
Ghosh, B., see Mandal, J.B., **264**, 145
Gitterman, M., see Shvartser, M., **264**, 204
Gladyshevskii, R.E., see Triscone, G., **264**, 233
Gong, C.-D., see Li, M.-R., **264**, 287
Goretta, K.C., see Sengupta, S., **264**, 34

Heeb, B., see Jeandupeux, O., **264**, 191
Hejtmánek, J., M. Nevřiva, E. Pollert, D. Sedmidubský and P. Vašek, Superconductivity and electric transport of $Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals, **264**, 220
Hofer, R.J., see Margulies, L., **264**, 133
Hollmann, E.K., see Zaitsev, A.G., **264**, 125

Ichikawa, F., B. Zhao, T. Uchiyama, R. Kawabata, T. Koga, T. Arai, T. Fukami, T. Aomine, J.-J. Sun, B. Xu and L. Li, Magnetic field and orientation dependence of vortex motion in $Yba_2Cu_3O_7/PrBa_2Cu_3O_7$ multilayers, **264**, 275
Ido, M., see Momono, N., **264**, 311
Ishiguro, T., see Logvenov, G.Yu., **264**, 261
Ito, H., see Logvenov, G.Yu., **264**, 261
Ivanov, Z., see Nurgaliev, T., **264**, 195

Jeandupeux, O., B. Heeb and H.R. Ott, A note on the temperature dependence of the magnetization of $YBa_2Cu_3O_{6.9}$ and $Bi_2Sr_2CaCu_2O_8$ close to T_c, **264**, 191
Jensen, H.J., see Spencer, S., **264**, 95
Jørgensen, J.-E., see Pedersen, K.R., **264**, 185
Junod, A., see Triscone, G., **264**, 233

Kajii, H., see Yoshino, K., **264**, 161
Kanamori, Y. and Y. Shiohara, Effect of temperature gradient in the solution on the growth rate of $YBa_2Cu_3O_{7-x}$ bulk single crystals, **264**, 305
Kanjilal, D., see Pradhan, A.K., **264**, 109
Karppinen, M., H. Yamauchi, H. Suematsu and O. Fukunaga, Synthesis of various $LaCuO_{3-y}$ phases by a high-pressure technique and subsequent post-annealing treatments, **264**, 268
Katase, N., see Shibauchi, T., **264**, 227
Kawabata, R., see Ichikawa, F., **264**, 275
Kilic, A., see Senoussi, S., **264**, 172
Kini, A.M., K.D. Carlson, H.H. Wang, J.A. Schlueter, J.D. Dudek, S.A. Sirchio, U. Geiser, K.R. Lykke and J.M. Williams, Determination of a mass isotope effect on T_c in an electron-donor-based organic superconductor, κ-$(ET)_2Cu(NCS)_2$, where ET represents bis(ethylenedithio)tetrathiafulvalene, **264**, 81
Klama, S., see Falkovsky, L.A., **264**, 1
Koga, T., see Ichikawa, F., **264**, 275
Königs, T., see Zaitsev, A.G., **264**, 125
Kontra, R., A. Otto and J.B. Vander Sande, Reaction paths and mechanisms for the formation of superconducting oxides in the rare earth-Ba-Cu-O system, **264**, 55
Kopelevich, Y., see Makarov, V.V., **264**, 213
Kostic, P., see Sengupta, S., **264**, 34
Kramer, M.J., see Margulies, L., **264**, 133
Kukovitsky, E.F., see Vavilova, E.L., **264**, 74

Lähderanta, E., see Fleisher, V.G., **264**, 295
Laiho, R., see Fleisher, V.G., **264**, 295
Lanagan, M.T., see Sengupta, S., **264**, 34
Li, L., see Ichikawa, F., **264**, 275
Li, M.-R., Y.-J. Wang, C.-D. Gong and Z.D. Wang, Longitudinal acoustic attenuation in unusual two-dimensional superconductors, **264**, 287
Logvenov, G.Yu., H. Ito, T. Ishiguro, G. Saito, S. Takasaki, J. Yamada and H. Anzai, Anomalous Nernst effect in the mixed state of the two-band organic superconductors κ-$(BEDT\text{-}TTF)_2Cu[N(CN)_2]Br$ and κ-$(BEDT\text{-}TTF)_2Cu(NCS)_2$, **264**, 261
Lykke, K.R., see Kini, A.M., **264**, 81

Makarov, V.V., Y. Kopelevich and S. Moehlecke, Frozen magnetization in $Bi_2Sr_2Ca_2Cu_3O_{10}$, **264**, 213
Mandal, J.B., B. Bandyopadhyay, F. Fauth, T. Chattopadhyay and B. Ghosh, A new mercury-based high-T_c cuprate $Hg_{0.7}V_{0.3}Sr_{2-x}La_xCuO_{4+\delta}$, **264**, 145
Manuel, P., see Senoussi, S., **264**, 172
Margulies, L., K.W. Dennis, R.J. Hofer, M.J. Kramer and R.W. McCallum, The effect of carbon on the peritectic melting of Bi2212 and Bi2212 + Ag, **264**, 133
McCallum, R.W., see Margulies, L., **264**, 133
Merz, M., see Widder, K., **264**, 11
Moehlecke, S., see Makarov, V.V., **264**, 213
Momono, N. and M. Ido, Evidence for nodes in the superconducting gap of $La_{2-x}Sr_xCuO_4$. T^2 dependence of electronic specific heat and impurity effects, **264**, 311
Mori, H., see Mori, T., **264**, 22
Mori, T., A. Fuse, H. Mori and S. Tanaka, Transport properties of organic metal containing magnetic ions $(BEDT\text{-}TTF)_2CsCo(SCN)_4$, **264**, 22
Münzel, J., see Widder, K., **264**, 11

Nevřiva, M., see Hejtmánek, J., **264**, 220
Noguchi, T., see Yoshino, K., **264**, 161
Noudem, J.G., J. Beille, D. Bourgault, D. Chateigner and R. Tournier, Bulk textured Bi–Pb–Sr–Ca–Cu–O (2223) ceramics by solidification in a magnetic field, **264**, 325
Nurgaliev, T., R.A. Chakalov, T. Donchev, Z. Ivanov and A. Spasov, Microwave properties of YBCO thin films on YSZ substrates in the coupled grain model approach, **264**, 195

Ohnishi, T., see Yoshino, K., **264**, 161
Ott, H.R., see Jeandupeux, O., **264**, 191
Otto, A., see Kontra, R., **264**, 55
Oxx, S., D.P. Choudhury, B.A. Willemsen, H. Srikanth, S. Sridhar, B.K. Cho and P.C. Canfield, Vortex response and critical fields observed via RF penetration depth measurements on the superconductor YNi_2B_2C, **264**, 103

Pedersen, K.R. and J.-E. Jørgensen, XANES study of rare-earth valency and 4f hybridization in $Pb_2Sr_2Ln_{1-x}Ca_xCu_3O_8$ for Ln = Ce, Pr and Tb, **264**, 185
Pitschke, W., see Buchgeister, M., **264**, 250
Poddar, A., see Prozorov, R., **264**, 27
Pollert, E., see Hejtmánek, J., **264**, 220
Pradhan, A.K., S.B. Roy, P. Chaddah, D. Kanjilal, C. Chen and B.M. Wanklyn, Flux pinning by columnar defects in $Bi_2Sr_2CaCu_2O_{8+y}$ single crystals, **264**, 109
Prozorov, R., A. Poddar, E. Sheriff, A. Shaulov and Y. Yeshurun, Irreversible magnetization in thin YBCO films rotated in external magnetic field, **264**, 27

Rashmi, , see Agnihotry, S.A., **264**, 43
Rasumov, S.V., see Zaitsev, A.G., **264**, 125
Roy, S.B., see Pradhan, A.K., **264**, 109

Saito, G., see Logvenov, G.Yu., **264**, 261
Schilling, J.S., see Gangopadhyay, A.K., **264**, 281
Schlueter, J.A., see Kini, A.M., **264**, 81
Sedmidubský, D., see Hejtmánek, J., **264**, 220
Sen, P., see Ghosh, A.K., **264**, 255
Sengupta, S., V.R. Todt, P. Kostic, Y.L. Chen, M.T. Lanagan and K.C. Goretta, Flux pinning in $TlBa_2Ca_2Cu_3O_x$ through addition of nanophase Al_2O_3, **264**, 34
Senoussi, S., A. Kilic, P. Manuel, R. Gagnon, L. Taillefer and H. Traxler, Anomalous flux pinning and flux creep near the critical state, **264**, 172
Shapiro, B.Ya., see Shvartser, M., **264**, 204
Shaulov, A., see Prozorov, R., **264**, 27
Sheriff, E., see Prozorov, R., **264**, 27
Shibauchi, T., N. Katase, T. Tamegai and K. Uchinokura, Temperature dependence of anisotropic penetration depth in under- and overdoped $Bi_2Sr_2CaCu_2O_{8+y}$, **264**, 227
Shiohara, Y., see Kanamori, Y., **264**, 305
Shvartser, M., M. Gitterman and B.Ya. Shapiro, Dynamics of helical vortices in a superconducting wire, **264**, 204
Sirchio, S.A., see Kini, A.M., **264**, 81
Spasov, A., see Nurgaliev, T., **264**, 195
Spencer, S. and H.J. Jensen, The Bean critical state: infinitely unstable, **264**, 95
Sridhar, S., see Oxx, S., **264**, 103
Srikanth, H., see Oxx, S., **264**, 103
Stepanov, Yu.P., see Fleisher, V.G., **264**, 295
Suematsu, H., see Karppinen, M., **264**, 268
Sun, J.-J., see Ichikawa, F., **264**, 275
Sushkov, O.P., see Dotsenko, A.V., **264**, 179

Tada, K., see Yoshino, K., **264**, 161
Taillefer, L., see Senoussi, S., **264**, 172
Takasaki, S., see Logvenov, G.Yu., **264**, 261
Tamegai, T., see Shibauchi, T., **264**, 227
Tanaka, S., see Mori, T., **264**, 22
Teitel'baum, G.B., see Vavilova, E.L., **264**, 74
Todt, V.R., see Sengupta, S., **264**, 34
Tournier, R., see Noudem, J.G., **264**, 325
Traito, K.B., see Fleisher, V.G., **264**, 295
Traxler, H., see Senoussi, S., **264**, 172
Triscone, G., A. Junod and R.E. Gladyshevskii, Magnetic and thermal properties of the 116 K superconductor Tl-1223, **264**, 233

Uchinokura, K., see Shibauchi, T., **264**, 227
Uchiyama, T., see Ichikawa, F., **264**, 275

Vander Sande, J.B., see Kontra, R., **264**, 55
Vašek, P., see Hejtmánek, J., **264**, 220
Vavilova, E.L., N.N. Garif'yanov, E.F. Kukovitsky and G.B. Teitel'baum, Investigation of the phase separation in superconducting regions of $La_2CuO_{4+\delta}$, **264**, 74
Vendik, O.G., see Zaitsev, A.G., **264**, 125

Wang, H.H., see Kini, A.M., **264**, 81
Wang, Y.-J., see Li, M.-R., **264**, 287
Wang, Z.D., see Li, M.-R., **264**, 287
Wanklyn, B.M., see Pradhan, A.K., **264**, 109
Widder, K., M. Merz, D. Berner, J. Münzel, H.P. Geserich, A. Erb, R. Flükiger, W. Widder and H.F. Braun, Optical investigation of $Y_{1-z}Pr_zBa_2Cu_3O_{7-\delta}$ single-domain crystals. A comparison between impurity-free and Al doped samples, **264**, 11
Widder, W., see Widder, K., **264**, 11
Willemsen, B.A., see Oxx, S., **264**, 103
Williams, J.M., see Kini, A.M., **264**, 81
Wördenweber, R., see Zaitsev, A.G., **264**, 125
Wu, F., see Zhao, J., **264**, 19

Xu, B., see Ichikawa, F., **264**, 275

Yakushi, K., see Yoshino, K., **264**, 161
Yamada, J., see Logvenov, G.Yu., **264**, 261
Yamauchi, H., see Karppinen, M., **264**, 268
Yeshurun, Y., see Prozorov, R., **264**, 27
Yoshino, K., A.A. Zakhidov, H. Kajii, H. Araki, K. Tada, T. Noguchi, T. Ohnishi and K. Yakushi, Multiphase superconductivity in OO-PPV/C_{60} composite doped by alkali metals. Low-field microwave absorption and SQUID study, **264**, 161

Zaitsev, A.G., R. Wördenweber, T. Königs, E.K. Hollmann, S.V. Rasumov and O.G. Vendik, Effect of structural and morphological imperfections on the microwave surface resistance of YBCO thin films, **264**, 125
Zakhidov, A.A., see Yoshino, K., **264**, 161
Zhao, B., see Ichikawa, F., **264**, 275
Zhao, J., C. Dong, Y.X. Fan, F. Wu, H. Chen, G.C. Che and Z.X. Zhao, Determination of the solid-solution region of infinite-layer compound $(Sr_xCa_{1-x})CuO_2$ under ambient pressure by X-ray diffraction, **264**, 19
Zhao, Z.X., see Zhao, J., **264**, 19
Zheng-Zhong, L., see Daning, S., **264**, 120

ELSEVIER

Physica C 264 (1996) 334–335

PHYSICA C

Analytic Subject Index to Volume 264

Anisotropic properties
–of $YBa_2Cu_3O_{7-\delta}$ film 27

Bean critical state 95
Borocarbide superconductors 281

Chemical potential
–in $YBa_2Cu_3O_{6+\delta}$ 179
Columnar defects
–in $Bi_2Sr_2CaCu_2O_{8+y}$ single crystals 109
Conductivity
–of $Y_{1-z}Pr_zBa_2Cu_3O_{7-\delta}$ crystals 11
Critical current density
–of Al_2O_3 doped $TlBa_2Ca_2Cu_3O_x$ 34

Defect structures
–in YBCO thin films 125
Density of states
–in $YNi_{2-x}(Co/Cu)_xB_2C$ 281

ESR
–of OO-PPV/C_{60} 161
Electrical resistivity
–of $(BEDT\text{-}TTF)_2CsCo(SCN)_4$ 22
–of $Bi_{1.9}Sb_{0.1}Sr_2Ca_2Cu_3O_y$ 43
–of $Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals 220
–of $Y_1Ba_2Ca_3O_{7-\delta}$ 255
–of $YBa_2Cu_3O_7/PrBa_2Cu_3O_7$ multilayers 275
Electron–phonon coupling 1
–in $YNi_{2-x}(Co/Cu)_xB_2C$ 281
Energy gap
–of $La_{2-x}Sr_xCuO_4$ 311

Fano resonance 1
Fluctuation-induced conductivity
–of $Y_1Ba_2Ca_3O_{7-\delta}$ 255
Flux creep 95
–in $Bi_2Sr_2Ca_2Cu_3O_{10}$ 213
–in $YBa_2Cu_3O_7/PrBa_2Cu_3O_7$ multilayers 275
–in $YBa_2Cu_3O_{7-\delta}$ single crystals 172
Flux dynamics in superconducting wire 204
Flux instability 95
Flux pinning 95
–in $Bi_2Sr_2CaCu_2O_{8+y}$ single crystals 109
–in $TlBa_2Ca_2Cu_3O_x$ 34
–in $YBa_2Cu_3O_{7-\delta}$ single crystals 172
–in YNi_2B_2C 103
Fullerene 161

Glassy vortex state 213
Growth rate
–of $YBa_2Cu_3O_{7-x}$ bulk single crystals 305

HREM
–of $Yb_nBa_{2n}Cu_{3n+1}O_x$ 55
Hall effect
–in $Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals 220
Heavy fermion compounds 120
Helix motion in superconducting wire 204
Hybridization disorder 120

Irreversibility line
–in $Bi_2Sr_2CaCu_2O_{8+y}$ single crystals 109
–of $(Tl,Pb,Bi)_1(Sr,Ba)_2Ca_2Cu_3O_9$ 233
Isotope effect
–in κ-$(ET)_2Cu(NCS)_2$ 81

t–J model 319

Lattice parameters
–of $(Sr_{1-x}Ca_x)CuO_2$ 19
–of YNi_2B_2C 250
Localization
–in $Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals 220
Longitudial acoustic attenuation 287
Lower critical field H_4
–of YNi_2B_2C 103

Magnetic susceptibility
–of $La_2CuO_{4+\delta}$ 74
–of $YNi_{2-x}(Co/Cu)_xB_2C$ 281
Magnetization near T_c
–of $Bi_2Sr_2CaCu_2O_8$ 191
–of $YBa_2Cu_3O_7$ 191
Magnetization
–of $(Tl,Pb,Bi)_1(Sr,Ba)_2Ca_2Cu_3O_9$ 233
–of Bi–Pb–Sr–Ca–Cu–O 325
–of $Bi_2Sr_2CaCu_2O_{8+y}$ single crystals 109
–of $YBa_2Cu_3O_{6+x}$ particles 295
–of $YBa_2Cu_3O_{7-\delta}$ film 27
–of $YBa_2Cu_3O_{7-\delta}$ single crystals 172
Metal-insulator transition
–in $(BEDT\text{-}TTF)_2CsCo(SCN)_4$ 22
Microwave absorption
–of OO-PPV/C_{60} 161
Microwave resonators 195

NQR
–of $La_2CuO_{4+\delta}$ 74

Optical reflectivity
–of $Y_{1-z}Pr_zBa_2Cu_3O_{7-\delta}$ crystals 11
Organic superconductor 22
Organic superconductors 81, 261
Oxygen stoichiometry
–in $La_2CuO_{4+\delta}$ 74
–in $LaCuO_{3-y}$ 268
–in $Y_{1-z}Pr_zBa_2Cu_3O_{7-\delta}$ crystals 11
–in $YBa_2Cu_3O_{6+x}$ particles 295

Pair breaking 120
–in $Bi_2Sr_2CaCu_2O_{8+y}$ 227
Pair-breaking
–in $La_{2-x}Sr_xCuO_4$ 311
Pairing symmetry 287
Pairing theory 179
Penetration depth
–in $(Tl,Pb,Bi)_1(Sr,Ba)_2Ca_2Cu_3O_9$ 233
–in $Bi_2Sr_2CaCu_2O_{8+y}$ 227
–in YBCO thin films 195
–in $YBa_2Cu_3O_{6+x}$ particles 295
–of YNi_2B_2C 103
Phase diagram
–of $Bi_2Sr_2CaCu_2O_8$ 133
Phase separation
–in $La_2CuO_{4+\delta}$ 74
Powder x-ray diffraction
–of $Yb_nBa_{2n}Cu_{3n+1}O_x$ 55

Quantum particle statistics 137
Quasi-2-dimensionality 255

RVB superconductivity 319
Raman scattering 1
Rare earth valency
–in $Pb_2Sr_2Ce_{0.5}Ca_{0.5}Cu_3O_8$ 185
–in $Pb_2Sr_2Ln_{1-x}Ca_xCu_3O_8$ 185

SEM
–of Bi–Pb–Sr–Ca–Cu–O 325
Solid solution region 19
Specific heat low-T
–of $La_{2-x}Sr_xCuO_4$ 311
Specific heat
–of $(Tl,Pb,Bi)_1(Sr,Ba)_2Ca_2Cu_3O_9$ 233
Structural phase transition
–in $LaCuO_{3-y}$ 268
–in $YBa_2Cu_3O_{6+x}$ particles 295
Structure
–of $Hg_{0.7}V_{0.3}Sr_{2-x}La_xCuO_{4+\delta}$ 145
–of $Yb_nBa_{2n}Cu_{3n+1}O_x$ 55
Substitution effects
–in $Bi_2Sr_2CaCu_2O_8$ 133
–in $La_{2-x}Sr_xCuO_4$ 311
Surface effect 1
Surface impedance
–of YBCO thin films 125
–of YBCO thin films 195
Susceptibility
–of $Bi_{1.9}Sb_{0.1}Sr_2Ca_2Cu_3O_y$ 43
Synthesis
–of Bi–Pb–Sr–Ca–Cu–O bulk textured 325
–of $Hg_{0.7}V_{0.3}Sr_{2-x}La_xCuO_{4+\delta}$ 145
–of $LaCuO_{3-y}$ 268
–of $YBa_2Cu_3O_{7-x}$ bulk single crystals 305

Thermal depinning 213
Thermoelectric power
–of $Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals 220
Thermomagnetic effect
–of κ-(BEDT-TTF)$_2$Cu(NCS)$_2$ 261
–of κ-(BEDT-TTF)$_2$Cu[N(CN)$_2$]Br 261
Top seeded solution growth
–of $YBa_2Cu_3O_{7-x}$ bulk single crystals 305
Two-fluid model 137

Upper critical field H_{c2}
–of YNi_2B_2C 103

d-wave superconductor 120, 227, 311

X-ray diffraction
–of $(Sr_{1-x}Ca_x)CuO_2$ 19
–of $Bi_{1.9}Sb_{0.1}Sr_2Ca_2Cu_3O_y$ 43
–of $Hg_{0.7}V_{0.3}Sr_{2-x}La_xCuO_{4+\delta}$ 145
–of YBCO thin films 125
–of YNi_2B_2C 250
XANES spectroscopy
–of $Pb_2Sr_2Ce_{0.5}Ca_{0.5}Cu_3O_8$ 185
–of $Pb_2Sr_2Ln_{1-x}Ca_xCu_3O_8$ 185

ELSEVIER

Physica C 264 (1996) 336

PHYSICA C

Materials Index to Volume 264

Al_2O_3 doped $TlBa_2Ca_2Cu_3O_x$
–critical current density 34

$(BEDT\text{-}TTF)_2CsCo(SCN)_4$
–electrical resistivity 22
–metal-insulator transition 22
κ-$(BEDT\text{-}TTF)_2Cu(NCS)_2$
–thermomagnetic effect 261
κ-$(BEDT\text{-}TTF)_2Cu[N(CN)_2]Br$
–thermomagnetic effect 261
Bi–Pb–Sr–Ca–Cu–O bulk textured
–synthesis 325
Bi–Pb–Sr–Ca–Cu–O
–magnetization 325
–sEM 325
$Bi_{1.9}Sb_{0.1}Sr_2Ca_2Cu_3O_y$
–electrical resistivity 43
–susceptibility 43
–x-ray diffraction 43
$Bi_{2+x}Sr_{2-y}CuO_{6+\delta}$ single crystals
–electrical resistivity 220
–hall effect 220
–localization 220
–thermoelectric power 220
$Bi_2Sr_2Ca_2Cu_3O_{10}$
–flux creep 213
$Bi_2Sr_2CaCu_2O_{8+y}$ single crystals
–columnar defects 109
–flux pinning 109
–irreversibility line 109
–magnetization 109
$Bi_2Sr_2CaCu_2O_{8+y}$
–pair breaking 227
–penetration depth 227
$Bi_2Sr_2CaCu_2O_8$
–magnetization near T_c 191
–phase diagram 133
–substitution effects 133

κ-$(ET)_2Cu(NCS)_2$
–isotope effect 81

$Hg_{0.7}V_{0.3}Sr_{2-x}La_xCuO_{4+\delta}$
–structure 145
–synthesis 145
–x-ray diffraction 145

$La_2CuO_{4+\delta}$
–magnetic susceptibility 74
–nQR 74
–oxygen stoichiometry 74
–phase separation 74
$La_{2-x}Sr_xCuO_4$
–energy gap 311
–pair-breaking 311
–specific heat low-T 311
–substitution effects 311
$LaCuO_{3-y}$
–oxygen stoichiometry 268
–structural phase transition 268
–synthesis 268

OO-PPV/C_{60}
–eSR 161
–microwave absorption 161

$Pb_2Sr_2Ce_{0.5}Ca_{0.5}Cu_3O_8$
–rare earth valency 185
–xANES spectroscopy 185
$Pb_2Sr_2Ln_{1-x}Ca_xCu_3O_8$
–rare earth valency 185
–xANES spectroscopy 185

$(Sr_{1-x}Ca_x)CuO_2$
–lattice parameters 19
–x-ray diffraction 19

$TlBa_2Ca_2Cu_3O_x$
–flux pinning 34
$(Tl,Pb,Bi)_1(Sr,Ba)_2Ca_2Cu_3O_9$
–irreversibility line 233
–magnetization 233
–penetration depth 233
–specific heat 233

$Y_1Ba_2Ca_3O_{7-\delta}$
–electrical resistivity 255
–fluctuation-induced conductivity 255
$Y_{1-z}Pr_zBa_2Cu_3O_{7-\delta}$ crystals
–conductivity 11
–optical reflectivity 11
–oxygen stoichiometry 11
YBCO thin films
–defect structures 125
–penetration depth 195
–surface impedance 125
–surface impedance 195
–x-ray diffraction 125
$YBa_2Cu_3O_{6+\delta}$
–chemical potential 179
$YBa_2Cu_3O_{6+x}$ particles
–magnetization 295
–oxygen stoichiometry 295
–penetration depth 295
–structural phase transition 295
$YBa_2Cu_3O_7/PrBa_2Cu_3O_7$ multilayers
–electrical resistivity 275
–flux creep 275
$YBa_2Cu_3O_7$
–magnetization near T_c 191
$YBa_2Cu_3O_{7-\delta}$ film
–anisotropic properties 27
–magnetization 27
$YBa_2Cu_3O_{7-\delta}$ single crystals
–flux creep 172
–flux pinning 172
–magnetization 172
$YBa_2Cu_3O_{7-x}$ bulk single crystals
–growth rate 305
–synthesis 305
–top seeded solution growth 305
YNi_2B_2C
–flux pinning 103
–lattice parameters 250
–lower critical field H_4 103
–penetration depth 103
–upper critical field H_{c2} 103
–x-ray diffraction 250
$YNi_{2-x}(Co/Cu)_xB_2C$
–density of states 281
–electron–phonon coupling 281
–magnetic susceptibility 281
$Yb_nBa_{2n}Cu_{3n+1}O_x$
–hREM 55
–powder x-ray diffraction 55
–structure 55